

## Product datasheet for **RC230930**

### **p53 AIP1 (TP53AIP1) (NM\_001195195) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** p53 AIP1 (TP53AIP1) (NM\_001195195) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** TP53AIP1  
**Synonyms:** P53AIP1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC230930 representing NM\_001195195  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

**ATGGGATCTTCCTCTGAGGCGAGCTTCAGATCTGCTCAAGCTTCCTGCAGTGGGGCCAGGAGGCAGGGCC**  
**TGGGCAGGGGAGACCAGAACCTCTCGGTGATGCCTCCGAATGGCAGGGCTCAGACACACACCTGGCTG**  
**GGTTTCAGATCCCTTAGTTTTGGTGCCCAAGTTCACGGAGGGTGCCGGGAATAGAAGCTCTGTCAGTC**  
**TCGTCTGGATCTTGGTCTCAGCAACTGTCTGGATCCTGACAGTGCAG**

**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT**  
**ACAAGGATGACGACGATAAGGTTTAA**

**Protein Sequence:** >RC230930 representing NM\_001195195  
Red=Cloning site Green=Tags(s)

MGSSEASFRSAQASCSGARRQGLGRGDQNL SVMPPNGRAQTHTPGWSDPLVLGAQVHGGCRGIEALSV  
SSGSWSSATVWILTVQ

**TRTRPLEQKLI SEEDLAANDILDYKDDDDKV**

**Restriction Sites:** Sgfl-MluI

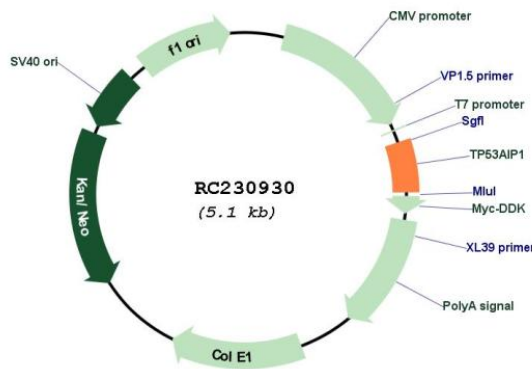


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Cloning Scheme:



Plasmid Map:



ACCN: NM\_001195195

ORF Size: 258 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001195195.1</a></u> , <u><a href="#">NP_001182124.1</a></u>
<b>RefSeq ORF:</b>	261 bp
<b>Locus ID:</b>	63970
<b>UniProt ID:</b>	<u><a href="#">Q9HCN2</a></u>
<b>Cytogenetics:</b>	11q24.3
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	p53 signaling pathway
<b>MW:</b>	9.3 kDa
<b>Gene Summary:</b>	This gene is specifically expressed in the thymus, and encodes a protein that is localized to the mitochondrion. The expression of this gene is inducible by p53, and it is thought to play an important role in mediating p53-dependent apoptosis. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Oct 2011]